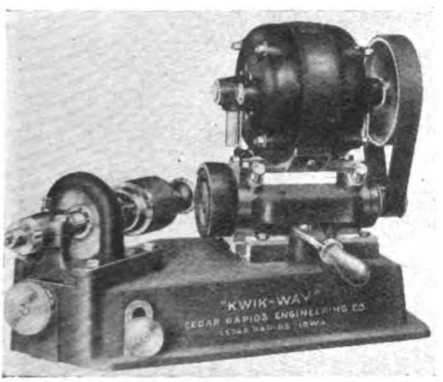
NEW EQUIPMENT, PARTS AND SUPPLIES

(*Continued from page 85*)

New Valve Facing Tool Introduced

Cedar Rapids Engineering Company
902 N. 17th St., Cedar Rapids, Ia.

A valve refacing machine has been introduced known as the Kwik-Way. This tool spins the valve at a high rate of speed while the face is being trued with the grinding wheel. The base is a one-piece casting insuring rigidity; grinding wheel shaft or spindle is hardened and ground and operates on New Departure ball bearings. The grinding wheel is a special shape, with special grit and manufactured expressly for this machine. The grinding wheel is moved



Kwik-Way Valve Facing Tool
This tool will reface motor valves preparatory to grinding. The valve is rotated while the face is being trued up with the grinding wheel

across the face of the valve by means of a hand lever on front of carriage and the adjustment of the valve relative to the face of the grinding wheel. It is accomplished by the knurled hand wheel at the left.

Features: Chuck special design, two universal three-jaw chuck in one automatically centering valve stem at two points, 2¼ in. apart and on section of valve stem that works in valve guide; chuck and chuck shaft are unit; parts are hardened and ground; speed 200 r.p.m.; accommodate valves up to 3-in. head and ½-in. stem; will grind at any angle from 25 to 65 deg.; direct motor drive, friction clutch pulley on grinding wheel shaft.

True Up Any Valve Face in One Minute

As an experienced mechanic you know it is impossible to do a valve grinding job right, unless the valve face, as well as the valve seat, is first trued up.

The KWIK-WAY VALVE FACING MACHINE is the only apparatus on the market that will reface a valve with scientific accuracy. *And it will do it in one minute or less.*

Cuts Working Time 70%

With the aid of the KWIK-WAY you grind a set of valves in from 70% to 90% less time; do it better; and *guarantee* a better job than in the usual way.

The base of the KWIK-WAY is a heavily ribbed, one-piece casting, which insures freedom from vibration. The grinding wheel shaft is hardened and ground to an accuracy of one-half thousandth of an inch. The patented chuck centers the valve stem at two points, 2¼" apart, *on that section of the valve stem that works in the valve guide.* This insures extreme accuracy in centering a used valve for refacing.

The KWIK-WAY enables you to eliminate the per-hour-charge method and to adopt the money-making, flat-rate system.

You need the KWIK-WAY NOW. *Write for full particulars.*

Cedar Rapids Engineering Co.
904 N. 17th Street Cedar Rapids, Iowa

"Kwik-Way" VALVE FACING MACHINE

NEW EQUIPMENT, PARTS AND SUPPLIES

Correction on Kwik-Way Valve Facing Machine

On page 165 of the January issue, the Kwik-Way Valve Facing Machine manufactured by the Cedar Rapids Engineering Co., Cedar Rapids, Iowa, was illustrated and described. In the first paragraph there are two erroneous statements, which are here repeated in quotations followed by their corrections. It was stated that "This tool spins the valve at a high rate of speed while the face is being trued with the grinding wheel." Should have read—Valve is held by an especially designed chuck and rotated at a speed of 200 r.p.m. while being trued up by a grinding wheel having a speed of 6000 r.p.m. "The grinding wheel is moved across the face of the valve by means of a hand lever on front of carriage and the adjustment of the valve relative to the face of the grinding wheel." Should have read—The adjustment of the face of the valve relative to the grinding wheel is accomplished by turning the small crank at the left end of chuck carriage.

"Kwik-Way" VALVE FACING MACHINE

Refaces a Valve *With* Scientific Accuracy

The "Kwik-Way" is the *only* apparatus on the market that does it with unfailing precision.

Furthermore, it will true up any valve —including 3 inch head and ½ stem— *in a minute or less.*

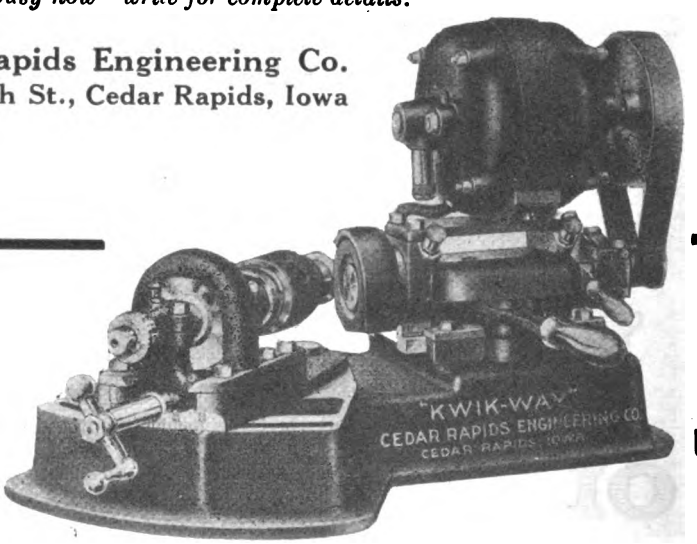
Think what it means to be able to grind a set of valves in from 70% to 90% less time than it ever took before.

On top of that to turn out a better job—and so guarantee it to customers. That's what's taking place every day in "live" garages, service stations and repair shops equipped with this patented time and labor-saver.

The dust-proof grinding wheel shaft of the "Kwik-Way" runs on high quality ball bearings, and is hardened and ground to one-half thousandth of an inch. By means of a graduated dial the "Kwik-Way" can be set to grind any angle valve. The extreme accuracy in centering a used valve for refacing is secured by means of our patented chuck. It centers the valve stem at two points 2¼" apart, *on that section of the valve stem that works in the valve guide.*

If you want to do away with the per-hour-charge system and replace it with the flat-rate method (which the big money-making repair shops use) the "Kwik-Way" will show you the way. *Get busy now—write for complete details.*

Cedar Rapids Engineering Co.
904 N. 17th St., Cedar Rapids, Iowa



"Kwik-Way" VALVE FACING MACHINE

Refaces Any Valve *Accurately*

The "Kwik-Way" is the only machine that will true up *any* valve with absolute accuracy.

Furthermore, it will complete the job *in one minute or less.*

Think of being able to cut down your working time 70% to 90% on every valve-grinding job.

You know that once the valve face and the valve seat are trued up, it takes only a moment to finish the operation of grinding-in.

With the "Kwik-Way" you are in a position to *guarantee* every customer a perfect valve-grinding job—because *you* are assured perfectly refaced valves.

The especially designed "Kwik-Way" Chuck centers the valve stem at points 2¼" apart on *that section of the valve stem that works in the valve guide.* This automatically provides extreme accuracy in centering a *used* valve for refacing.

Fall in line with the real money-making shops. *They* have replaced the per-hour-charge system with the much more profitable flat-rate method. You can do likewise—from the day you install the "Kwik-Way."

Send for complete details—NOW.

Cedar Rapids Engineering Co.
904 N. 17th St.
CEDAR RAPIDS, IOWA